

CLAIMS

5 *Substantive*
1. A method for an additional call setup for data transmission between a second data receiver (2') and a data transmitter (1) via at least one mobile telecommunications system (3), in which between the data transmitter (1) and the second data receiver (2') or a first data receiver (2), a first call setup has already taken place within a certain
10 time period Δt in the past, and wherein the data transmitter (1) has at least one memory device (10), and the mobile telecommunications system (3) has at least one air interface (30) and one controller device (31), having the following steps:

15 allocation of resources of the air interface (30) to the data transmitter (1), and construction of a certain configuration of the data transmitter (1) by means of the controller device (31) in the first call setup;

20 storing the resource occupation and configuring the data transmitter (1) of the first call setup in the memory device (10) of the data transmitter (1); and

25 sending an identification message (7) from the controller device (31) to the data transmitter (1) in the additional call setup, to call up the resource occupation and configuration of the data transmitter (1), stored in the memory device (10), for a new allocation thereof in the
30 additional call setup.

2. The method of claim 1, characterized in that the resource occupation and configuration of the data transmitter (1) stored in the memory device (10) of the data transmitter

Sub 91
(1) are stored in memory temporarily.

3. The method of one of claims 1 or 2, characterized in that resources that have just been released are not allocated by the controller device (31) until no other resources are available any longer.

4. The method of one of the foregoing claims, characterized in that the resources that are first allocated again by the controller device (31) are those whose release occurred longer ago.

5. The method of one of the foregoing claims, characterized in that an acknowledgment message (5) sent from the controller device (31) to the data transmitter (1) is acknowledged by the data transmitter to confirm a correct resource allocation.

6. The method of one of the foregoing claims, characterized in that the instant of callup of the resource occupation and configuration of the data transmitter (1), stored in the memory device (10) of the data transmitter (1), for a new allocation thereof in the additional call setup is predetermined.

7. An apparatus for an additional call setup for data transmission between a second data receiver (2') and a data transmitter (1) via at least one mobile telecommunications system (3), in which between the data transmitter (1) and the second data receiver (2') or a first data receiver (2), a first call setup has already taken place within a certain time period Δt in the past, and wherein the data transmitter (1) has at least one memory device (10), and the mobile telecommunications system (3) has at least one air interface

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5 (30) and one controller device (31),

wherein the mobile telecommunications system (3) has at least one controller device (31) for allocating resources of an air interface (30) to the data transmitter (1) and for constructing a certain configuration of the data transmitter (1) in the first call setup;

10 wherein the data transmitter (1) has at least one memory device (10) for storing the resource occupation and configuration of the data transmitter (1) of the first call setup in memory; and

15 wherein the mobile telecommunications system (3) [verb missing] a transmitter (33) for sending an identification message (7) from the controller device (31) to the data transmitter (1) in the additional call setup for calling up the resource occupation and configuration, stored in the memory device (10), of the data transmitter (1) for a new allocation thereof in the additional call setup.

20 8. The apparatus of claim 7, characterized in that the memory device (10) of the data transmitter (1) is embodied as a temporary memory device (10).

25 9. The apparatus of one of claims 7 or 8, characterized in that the mobile telecommunications system (3) is embodied as a UMTS (Universal Mobile Telecommunication System) system.

30 10. The apparatus of one of claims 7-9, characterized in that the data transmitter (1) is embodied as a mobile telephone (1).

11. The apparatus of one of claims 7-10, characterized in that the resources, for instance in a UMTS (Universal Mobile Telecommunication System) system, are defined as a combination of a CDMA (Code Division Multiple Access) code, a carrier frequency, and optionally a time slot of a corresponding transmission channel.

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